

Set	Items	Description
S1	1696044	SEARCH?
S2	7193	(REPLACE? ? OR REPLACING OR REPLACEABLE OR REPLACEMENT OR - SUBSTITUTE? ? OR SUBSTITUTING OR SUBSTITUTION) (5N) S1
S3	14311	S1 (2N) (UNIT? ? OR COMPONENT? ? OR DEVICE? ? OR ENGINE? ? OR MACHINE? ? OR APPARATUS??)
S4	144	(REPLACE? ? OR REPLACING OR REPLACEABLE OR REPLACEMENT OR - SUBSTITUTE? ? OR SUBSTITUTING OR SUBSTITUTION) (5N) S3
S5	83	S4 AND IC=G06F
S6	5	S4 AND IC=G06F-007
S7	5	IDPAT (sorted in duplicate/non-duplicate order)
S8	5	IDPAT (primary/non-duplicate records only)
S9	322813	INTERFACE OR INTERFACES
S10	10	S5 (30N) S9
S11	9	S10 NOT S8
S12	9	IDPAT (sorted in duplicate/non-duplicate order)
S13	9	IDPAT (primary/non-duplicate records only)
S14	15	S4 (30N) S9
S15	5	S14 NOT (S8 OR S13)
S16	5	IDPAT (sorted in duplicate/non-duplicate order)
S17	5	IDPAT (primary/non-duplicate records only)
S18	204	(SEPARATE? ? OR SEPARATING OR (TAKE? ? OR TAKING) () OUT OR - DISCONNECT? OR DETACH?) (5N) S3
S19	117	S18 AND IC=G06F
S20	11	S19 (30N) S9
S21	9	S20 NOT (S8 OR S13 OR S17)
S22	9	IDPAT (sorted in duplicate/non-duplicate order)
S23	9	IDPAT (primary/non-duplicate records only)
S24	215	(SWITCH? OR SWAP? ? OR SWAPPED OR SWAPPING OR EXCHANGE? ? - OR EXCHANGING OR EXCHANGEABLE) (5N) S3
S25	24	S24 (30N) S9
S26	24	S25 NOT (S8 OR S13 OR S17 OR S23)
S27	13	S26 AND IC=G06F
S28	13	IDPAT (sorted in duplicate/non-duplicate order)
S29	13	IDPAT (primary/non-duplicate records only)
S30	4519	(QUERY? OR QUERIES OR SQL) (2N) (UNIT? ? OR COMPONENT? ? OR - DEVICE? ? OR ENGINE? ? OR MACHINE? ? OR APPARATUS??)
S31	22	(REPLACE? ? OR REPLACING OR REPLACEABLE OR REPLACEMENT OR - SUBSTITUTE? ? OR SUBSTITUTING OR SUBSTITUTION) (5N) S30
S32	21	S31 NOT (S8 OR S13 OR S17 OR S23 OR S29)
S33	21	IDPAT (sorted in duplicate/non-duplicate order)
S34	21	IDPAT (primary/non-duplicate records only)

File 348:EUROPEAN PATENTS 1978-2005/Dec W04

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File 349:PCT FULLTEXT 1979-2005/UB=20051229,UT=20051222

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6/5,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01299151 \*\*Image available\*\*

**SYSTEM AND METHOD FOR A MODULAR USER CONTROLLED SEARCH ENGINE**  
**SYSTEME ET PROCEDE SE RAPPORTANT A UN MOTEUR DE RECHERCHE MODULAIRE**  
**CONTROLE PAR L'UTILISATEUR**

Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 2005106642 A2 20051110 (WO 05106642)

Application: WO 2005US12214 20050412 (PCT/WO US05012214)

Priority Application: US 2004561874 20040414; US 2005101534 20050408

Designated States:

(All protection types applied unless otherwise stated - for applications  
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT  
RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA  
ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL  
PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-007/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8588

**English Abstract**

Method and system for delivery of personal search services and  
advertising. The method includes collecting information from the user  
about the user's personal search engine, including, but not limited to  
digital content data sources, link crawl depth of those digital content  
data sources, and time interval to refresh the index of the digital  
content data sources created. In one embodiment of the present invention  
user's do not pay a fee in return for allowing the provider to present  
advertising to the user as the user uses the invention. In another  
embodiment, advertisers purchase advertising display services from the  
provider to be displayed to specific users.

**French Abstract**

L'invention concerne un procede et un systeme de fourniture de services  
de recherche personnels et de publicite. Le procede consiste a recueillir  
des informations d'un utilisateur concernant son moteur de recherche  
personnel, lesdites informations comprenant, mais pas exclusivement, des  
sources de donnees de contenu numerique, une profondeur des niveaux  
d'exploration de liens desdites sources de donnees de contenu numerique,  
et le laps de temps necessaire pour rafraichir l'index des sources de  
donnees de contenu numerique cree. Dans un mode de realisation, les  
utilisateurs ne paient pas de redevance s'ils autorisent le prestataire  
de services a leur presenter de la publicite pendant qu'ils utilisent le  
systeme de l'invention. Dans un autre mode de realisation, les annonceurs  
publicitaires achètent des services de presentation de publicite que le  
prestataire presente a des utilisateurs particuliers.

Legal Status (Type, Date, Text)

Publication 20051110 A2 Without international search report and to be  
republished upon receipt of that report.

Main International Patent Class: **G06F-007/00**

Fulltext Availability:

Detailed Description

Detailed Description

... engine can have 1 5 modular software components. This allows  
replacement of individual modules without **replacing** the entire **search  
engine** or changing the user interface. For example, the software module  
that follows links may be...could not retrieve before. Likewise the full  
text index component 1 1 16 and the **search engine component** 1 1 14  
may be **replaced** or changed to process additional languages not  
previously supported by the personal search system thereby...

13/5,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01444098

Database system for image attribute information

Datenbank fur Bildeigenschaftsinformationen

Base de donnees pour des attributs d'images

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1231549 A2 020814 (Basic)  
EP 1231549 A3 041222

APPLICATION (CC, No, Date): EP 2002250891 020208;

PRIORITY (CC, No, Date): JP 200134795 010213

DESIGNATED STATES: DE;

EXTENDED DESIGNATED STA

INTERNATIONAL PATENT CL

SI

ABSTRACT EP 1231549 A2

A database system i  
attribute information  
management system. A  
and a command executi  
search unit. The comm  
in detachable fashion

command execution unit can be replaced by detaching it and connecting a  
search unit that employs another search technique.

unit for searching image  
a relational database  
ided between the search unit  
search command to the  
earch unit can be connected  
t has been connected to the

ABSTRACT WORD COUNT: 90

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020814 A2 Published application without search report  
Search Report: 041222 A3 Separate publication of the search report  
Examination: 050720 A2 Date of request for examination: 20050520

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200233	440
SPEC A	(English)	200233	4163
Total word count - document A			4603
Total word count - document B			0
Total word count - documents A + B			4603

...SPECIFICATION search unit 15 that has been connected to the command  
execution unit 13 can be **replaced** by another **search unit** by virtue  
of the search **interface** 14. The RDBMS 16 can be searched by utilizing a  
search unit that employs a...

13/5,K/7 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00901275 \*\*Image available\*\*

**A USER INTERFACE FOR NAVIGATION THROUGH A NETWORK  
INTERFACE UTILISATEUR POUR NAVIGUER DANS UN RESEAU**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200235335 A2-A3 20020502 (WO 0235335)

Application: WO 2001GB4862 20011022 (PCT/WO GB0104862)

Priority Application: GB 200025906 20001023

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3283

**English Abstract**

A user interface (3) for facilitating navigation through a Web site (25), or any other hypertext network, given a user query (4). The user interface (3) requests pages from the Web site in order for them to be displayed on the browser window (13). The user interface (3) includes two main mechanisms: the navigation tool bar (15) and the navigation tree window (17). The navigation tool bar (15) comprises a sequence of URLs (25). The first two URLs displayed on the navigation tool bar (15) are the last two URLs of the pages that the user browsed, thus providing a history mechanism. The next URL on the navigation tool bar (15) is the current URL identifying the page the user is currently browsing. The URLs that follow the current URL on the navigation tool bar are the consecutive URLs of the most preferred trail (6) from the current URL. All URLs are clickable and cause the navigation tool bar (15) to be updated accordingly. The navigation tree window (17) displays the preferred trails (6) given the user query (4), organised in the form of a tree structure (23) with the trails (6) being ranked from the most preferred, according to their score. The user interacting with the navigation tree window (17) can select any URL on one of the preferred trails (6) causing it to be the current URL. The navigation tool bar (15), the navigation tree window (17) and the browser window (13) are all synchronised according to the current URL. The mechanisms of the user interface (3) provide the user with guidance and context throughout a navigation session, given the input query (4). The user **interface** (3) can be embodied in a Web site as a navigation mechanism complementing or

**replacing a Web site search engine .**

French Abstract

L'invention concerne une interface utilisateur (3) facilitant la navigation sur un site Internet (25) ou tout autre reseau hypertexte en fonction d'une demande utilisateur (4). L'interface utilisateur (3) demande des pages provenant d'un site Internet afin de les afficher sur la fenetre du navigateur (13). L'interface utilisateur comprend deux mecanismes principaux : la barre d'outils de navigation (15) et la fenetre d'arbre de navigation (17). La barre d'outils de navigation (15) comporte une sequence de plusieurs URL (25). Les deux premieres URL affichees sur la barre d'outils de navigation (15) sont les deux dernieres URL des pages que l'utilisateur a visitees, fournissant ainsi un mecanisme historique. L'URL suivante sur la barre d'outils de navigation (15) est l'URL actuelle identifiant la page que l'utilisateur visite a ce moment precis. L'URL suivant celle en cours de visite sur la barre d'outils de navigation (15) est l'URL consecutive de la piste favorite (6) provenant de l'URL en cours de visite. On peut cliquer sur toutes les URL et mettre a jour la barre d'outils de navigation (15) en consequence. La fenetre d'arbre de navigation (17) affiche les pistes preferees (6) en fonction de la demande de l'utilisateur (4), organisees sous forme d'arborescence (23), les pistes (6) etant rangees par ordre de preference, selon leur evaluation. En interagissant avec la fenetre d'arbre de navigation (17), l'utilisateur peut selectionner une URL sur l'une des pistes favorites (6) faisant de celle-ci l'URL en cours de visite. La barre d'outils de navigation (15) et la fenetre d'arbre de navigation (17) et la fenetre de navigation (13) sont toutes synchronisees en fonction de l'URL en cours de visite. Les mecanismes de l'interface utilisateur (3) fournissent a l'utilisateur un guidage et un contexte au cours de la session de navigation en fonction de la demande saisie (4). L'interface utilisateur (3) peut etre representee sur un site Internet par un mecanisme de navigation completant ou remplaçant un moteur de recherche Internet.

Legal Status (Type, Date, Text)

Publication 20020502 A2 Without international search report and to be republished upon receipt of that report.  
Examination 20021128 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20031030 Late publication of international search report  
Republication 20031030 A3 With international search report.

English Abstract

...with guidance and context throughout a navigation session, given the input query (4). The user **interface** (3) can be embodied in a Web site as a navigation mechanism complementing or **replacing a Web site search engine .**

23/5,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01101192 \*\*Image available\*\*

**APPARATUS AND METHODS FOR LOCATING DATA**

**APPAREIL ET PROCEDES PERMETTANT DE LOCALISER DES DONNEES**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200423243 A2-A3 20040318 (WO 0423243)

Application: WO 2003US27241 20030903 (PCT/WO US03027241)

Priority Application: US 2002408015 20020903; US 2002413013 20020923; US  
2003448923 20030220; US 2003470903 20030514; US 2003478960 20030613

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ (utility  
model) CZ DE (utility model) DE DK (utility model) DK DM DZ EC EE  
(utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO  
NZ OM PG PH PL PT RO RU SC SD SE SG SK (utility model) SK SL SY TJ TM TN  
TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 24132

**English Abstract**

The present invention provides for quick and efficient searches. In one embodiment, a client based or server based search system (110) comprises multiple target specific interfaces with target specific attribute fields (105), and an apparatus configured to perform incremental searching as the user enters characters into one or more attribute search fields. In a server based search system, program code is transmitted to a client browser (106), and the code generates in the browser a search mode interface including a search field, a list area for displaying a list of search result items, a view area for displaying contents of a selected search result item. The code detects search field changes, and transmits change information to a remote search system.

**French Abstract**

La presente invention permet d'effectuer des recherches rapides et efficaces. Dans un mode de realisation, un systeme de recherche client ou serveur comprend de multiples interfaces specifiques de cible comportant des champs d'attributs specifiques de cible, et un appareil configure pour effectuer une recherche progressive au fur et a mesure que l'utilisateur entre des caracteres dans un ou plusieurs champs de recherche d'attributs. Dans un systeme de recherche serveur, un code programme est transmis a un navigateur client, et le code genere dans le

navigateur une interface de mode de recherche comprenant un champ de recherche, une zone de liste destinee a l'affichage d'une liste d'articles de resultats de recherche, et une zone de visualisation destinee a l'affichage du contenu d'un article de resultat de recherche choisi. Le code detecte les modifications des champs de recherche, et transmet les informations relatives aux modifications a un systeme de recherche eloigne.

Legal Status (Type, Date, Text)

Publication 20040318 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20040527 Late publication of international search report

Republication 20040527 A3 With international search report.

Republication 20040527 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Claims

Claim

... file search mode interface, the favorites search mode interface, and the Web history search mode **interface** are selectable using tabs displayed at the same time.

7 The search apparatus as defined in Claim 1, further comprising an Internet search **interface** configured to access a **search engine separated** from the **search apparatus** by a network.

8 The search apparatus as defined in Claim 1, wherein the favorites search mode

**interface** comprises:  
an address field configured to accept an address from a user; and  
a control...



23/5,K/6 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00975285 \*\*Image available\*\*

**CATEGORY BASED, EXTENSIBLE AND INTERACTIVE SYSTEM FOR DOCUMENT RETRIEVAL  
SYSTEME DE RECUPERATION DE DOCUMENTS INTERACTIF ET EXTENSIBLE, FONDE SUR  
DES CATEGORIES**

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Patent Applicant/Inventor:

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Munchen, DE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200305235 A1 20030116 (WO 0305235)

Application: WO 2001EP7649 20010704 (PCT/WO EP0107649)

Priority Application: WO 2001EP7649 20010704

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 27320

**English Abstract**

An integrated, automatic and open information retrieval system (100) comprises an hybrid method based on linguistic and mathematical approaches for an automatic text categorization. It solves the problems of conventional systems by combining an automatic content recognition technique with a self-learning hierarchical scheme of indexed categories. In response to a word submitted by a requestor, said system (100) retrieves documents containing that word, analyzes the documents to determine their word-pair patterns, matches the document patterns to database patterns that are related to topics, and thereby assigns topics to each document. If the retrieved documents are assigned to more than one topic, a list of the document topics is presented to the requestor, and the requestor designates the relevant topics. The requestor is then granted access only to documents assigned to relevant topics. A knowledge database (1408) linking search terms to documents and documents to topics is established and maintained to speed future searches. Additionally, new strategies are presented to deal with different update frequencies of changed Web sites.

**French Abstract**

Un systeme (100) de recuperation d'information integre, automatique et ouvert comprend un procede hybride fonde sur des approches linguistiques et mathematiques pour effectuer une categorisation de texte automatique.

Ceci resout les problemes des systemes classiques du fait de la combinaison d'une technique de reconnaissance de contenu classique et d'un processus hierarchique d'auto-apprentissage de categories indexees. En reponse a un mot propose par un demandeur, le systeme (100) recupere des documents contenant ce meme mot, analyse les documents pour determiner leurs structures de paires de mots, etablit une correspondance entre les structures de documents et les structures de la base de donnees qui sont liees aux sujets et attribue ainsi des sujets a chaque document. Si les documents recuperes sont affectes a plus d'un sujet, une liste de sujets de documents est presentee au demandeur et le demandeur designe les sujets pertinents. Le demandeur est ensuite autorise a acceder uniquement aux documents affectes aux sujets pertinents. Une base de connaissances (1408) reliant les termes de recherche aux documents et les documents aux sujets est creee et mise a jour pour acclereler les recherches ulterieures. La presente invention concerne egalement de nouvelles strategies permettant de faire face aux frequences de mise a jour differentes des sites Web modifies.

Legal Status (Type, Date, Text)

Publication 20030116 A1 With international search report.

Examination 20030508 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... the novel search engine

according to the preferred embodiment of the underlying invention. The novel **search engine** comprises three different modules being **separated** of each other by properly defined **interfaces**, and simultaneously being designed for scaling: the filtering module, the analysis module, and the knowledge...

29/5,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01624247

**Applications for radio frequency identification systems**  
**Anwendungen für Radiofrequenzidentifikationssysteme**  
**Applications pour systemes d'identification par radiofrequences**

PATENT ASSIGNEE:

3M Innovative Properties Company, (2739383), 3M Center, P.O. Box 33427,  
St. Paul, MN 55133-3427, (US), (Applicant designated States: all)

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55133-3427, (US)

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55133-3427, (US)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1339032 A2 030827 (Basic)  
EP 1339032 A3 040121

APPLICATION (CC, No, Date): EP 2003007792 990805;

PRIORITY (CC, No, Date): US 134686 980814; US 344758 990625

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 1105855 (EP 99943652)

INTERNATIONAL PATENT CLASS: G08B-013/24; G07F-007/00; G07G-001/00;  
**G06F-017/60** ; G06K-019/077

ABSTRACT EP 1339032 A2

The present invention relates to RFID devices, including handheld RFID devices, and applications for such devices. The devices and applications may be used in connection with items that are associated with an RFID tag, and optionally a magnetic security element. The devices and applications are described with particular reference to library materials such as books, periodicals, and magnetic and optical media.

ABSTRACT WORD COUNT: 62

NOTE:

Figure number on first page: 4

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 030827 A2 Published application without search report  
Change: 040121 A2 International Patent Classification changed:  
20031203

Search Report: 040121 A3 Separate publication of the search report

Examination: 040818 A2 Date of request for examination: 20040618

Examination: 040818 A2 Date of request for examination: 20040618

Examination: 050817 A2 Date of dispatch of the first examination  
report: 20050701

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200335	474
SPEC A	(English)	200335	9988
Total word count - document A			10462
Total word count - document B			0
Total word count - documents A + B			10462

...INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION support wireless communication, such as Symbol's LA 2400  
Wireless LAN PC Card.

The user **interface** for the device is designed both to communicate the status of searching and to allow the user to enter data. Entering data may include **switching** the **device** among various **search** modes and entering data specific to a task (for example, to check out an item...

29/5,K/5 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00907068 \*\*Image available\*\*

**VIRTUAL DIRECTORY**

**DICTIONNAIRE VIRTUEL**

Patent Applicant/Assignee:

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98020, US, US (Residence), US (Nationality)

Inventor(s):

COLWILL Ronald W Jr, 7915 228th Street S.W., Edmonds, WA 98026, US,

Legal Representative:

PEZZANO Tony V (et al) (agent), Morgan & Finnegan, L.L.P., 345 Park  
Avenue, New York, NY 10154, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200241164 A1 20020523 (WO 0241164)

Application: WO 2001US4255 20010209 (PCT/WO US0104255)

Priority Application: US 2000249515 20001117

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 17950

**English Abstract**

A method, system and a apparatus for providing a virtual directory to facilitate a quick, direct search for a web site on the Internet (60). A user (15) is provided with an extensive number of first level search categories. By clicking on a first level search category, the user (15) is linked to a plurality of corresponding second level search categories which are pre-selected by a service provider. By clicking on a second level search category, the user (15) is linked to a plurality of corresponding third level search categories, which are also pre-selected by the service provider. The third level search categories are preferably URLs corresponding to the search. The user (15) can click on any one of the URLs to access a web site. A button (55) is provided on a bar of the web site by which a user can return to one of the first or second level search categories directly from the current web page bypassing all the intermediate web pages the user reviewed. The virtual directory also provides a search engine directory whereby a user can switch from one search engine to another in order to complete a search without having to retype a search category.

**French Abstract**

L'invention porte sur un procede, un systeme et un appareil de creation d'un dictionnaire virtuel pour faciliter la recherche rapide et directe d'un site web sur Internet (60). On fournit un nombre important de categories d'un premier niveau de recherche a un utilisateur (15) qui en cliquant sur l'une (15) d'elles est relie a plusieurs categories de deuxieme niveau de recherche preselectionnees par un prestataire de services. En cliquant sur un categorie de deuxieme niveau de recherche,

l'utilisateur (15) est relie a plusieurs categories de troisieme niveau de recherche egalement preselectionnees par un prestataire de services. Ces dernieres categories etant de preference des URLs correspondant a la recherche. L'utilisateur peut cliquer sur un quelconque des URLs pour acceder a un site web. Une barre du site web comporte un bouton (55) permettant de revenir a une categorie de premier ou de deuxieme niveau directement a partir de la page du web en cours en court-circuitant les pages intermediaires deja consultees. Le repertoire virtuel donne egalement acces a un repertoire de moteurs de recherche permettant de passer d'un moteur a un autre de maniere a accomplir une recherche sans avoir a retaper une categorie de recherche.

Legal Status (Type, Date, Text)

Publication 20020523 A1 With international search report.

Examination 20021017 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: **G06F-017/00**

Fulltext Availability:

Detailed Description

Detailed Description

... return to the virtual directory from the search engine site so that the user can **switch** to another **search engine** site just as quickly and directly until the search is completed.

Referring to FIG. 9, **interface** screen 800 displays a plurality of search

engine categories, Le., a search engine directory. **Interface** screen 800 includes header 810 indicating the name of service provider

"WhereTheLeckisrcom.", including search...

29/5,K/7 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00807393 \*\*Image available\*\*

**METHOD AND APPARATUS FOR NETWORK ACCESS**  
**DISPOSITIF ET PROCEDE D'ACCES A UN RESEAU**

Patent Applicant/Assignee:

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states except: US)

Patent Applicant/Inventor:

HARTMAN Alex James, Ground Floor, 22 Atchison Street, St Leonards, NSW  
2065, AU, AU (Residence), AU (Nationality), (Designated only for: US)

Legal Representative:

F B RICE & CO (agent), 139 Rathdowne Street, Carlton, VIC 3053, AU,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200140964 A1 20010607 (WO 0140964)

Application: WO 2000AU1485 20001201 (PCT/WO AU0001485)

Priority Application: US 99167477 19991201

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13019

**English Abstract**

A system and method for providing user access to a network. The system includes a client computer executing a resident client application. The client application presents a user interface which facilitates browser access to a plurality of network sites, and the client application presents the user interface in accordance with a user profile which defines characteristics of the user interface. The system further includes a server which executes a resident server application. The server application can communicate with the client application, and stores and alters the user profile. The user profile and alterations of the user profile are communicated by the server to the client application. Client and server applications corresponding to the system are also provided.

**French Abstract**

L'invention concerne un systeme et un procede servant a fournir a un usager l'accès a un reseau. Le systeme comprend un ordinateur de client executant une application de client residante. L'application de client presente une interface utilisateur qui facilite l'accès par un navigateur a plusieurs sites de reseau ; et presente l'interface utilisateur en fonction d'un profil d'utilisateur qui definit des caracteristiques de l'interface utilisateur. Le systeme inclut en outre un serveur qui execute une application de serveur residante. L'application de serveur peut communiquer avec l'application de client, stocker et modifier le profil d'utilisateur. Le profil d'utilisateur et les modifications du profil d'utilisateur sont communiquees par le serveur a l'application de

client. L'invention concerne aussi des applications de client et de serveur correspondant au systeme.

Legal Status (Type, Date, Text)

Publication 20010607 A1 With international search report.

Examination 20010823 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: **G06F-017/00**

Fulltext Availability:

Detailed Description

Detailed Description

... displayed by

clicking the Using: dropdown arrow on the right. Users shall be able to **switch** between **search engines** by selecting a new search engine from this list.

Figure 11 illustrates a fourth submenu 90 of the primary toolbar 21 of the user **interface** 20 of Figure 5, which appears when the mail button 27 is clicked, enabling users...



34/5,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01238633

**Method and system for providing native language query service**

**Verfahren und System um ein Muttersprachensuchsystem anzubieten**

**Procede et systeme de recouvrement en langue maternelle**

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1072984 A2 010131 (Basic)

EP 1072984 A3 051019

APPLICATION (CC, No, Date): EP 2000305822 000710;

PRIORITY (CC, No, Date): CN 99110540 990728

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT EP 1072984 A2

The present invention provides a method for providing native language query service for Internet users by using a plurality of search engines, said method characterized by comprising steps of: (a) receiving at a site an original query request from one user; (b) selecting a suitable search engine; (c) translating said query words of native language into query words of dedicated language of said selected search engine; (d) constructing a new query request directing to said search engine; (e) sending said new query request and receiving a returned query result; (f) sending said query result back to said user as a query result in relation to said original query request.

ABSTRACT WORD COUNT: 110

NOTE:

Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010131 A2 Published application without search report

Search Report: 051019 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200105	1448
SPEC A	(English)	200105	7641
Total word count - document A			-9089
Total word count - document B			0
Total word count - documents A + B			9089

...SPECIFICATION parameters of said URL into query words in said dedicated language of said selected search engine ;

(e2) **replacing** query terms of user's native language in parameters of said URL with query terms in...of URL which requires query terms and adding redirect prefix in front of other URLs; **query** translation **device** 605 for translating/ **substituting** the query terms in native language of requested URL into/with query terms in the...

...CLAIMS parameters of said URL into query words of a dedicated language  
of said selected search **engine** ;  
(e2) **replacing query** words of user's native language in parameters  
of said URL with query words of...

34/5,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01098473

**Integrated retrieval scheme for retrieving semi-structured documents**

**Integriertes Wiederauffindungsschema um semistrukturierte Dokumente  
wiederaufzufinden**

**Schema integre de recouvrement pour retrouver des documents semi-structures**

PATENT ASSIGNEE:

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Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo 160, (JP), (Applicant  
designated States: all)

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Machihara, Hiroki, 2-428-2-204, Marukodoori, Nakahara-ku, Kawasaki-shi,  
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LEGAL REPRESENTATIVE:

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81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 964341 A2 991215 (Basic)

APPLICATION (CC, No, Date): EP 99110995 990610;

PRIORITY (CC, No, Date): JP 98162648 980610; JP 98219365 980803; JP 9996183  
990402

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT EP 964341 A2

An integrated retrieval scheme retrieves data involved in a plurality of semi-structured documents scattering over open networks and collects the required information item by item from the semi-structured documents through a unified interface without regard to differences in the document structures, presentation styles, and elements of the semi-structured documents.

The search scheme receives a query consisting of search items and search conditions from a user (S200). The search scheme finds, according to location data that specifies the location of each of the semi-structured documents, the location of each semi-structured document that contains all search items (S210) and converts, if necessary, item presentation styles of the entered query into that of the location found semi-structured documents according to style conversion data (S220,S225,S230), and forms queries for the location found semi-structured documents, and transmits the queries to the found locations and obtains the location found semi-structured documents (S240), and extracts item data from the obtained semi-structured documents according to structure data being used to delimit document into items and attribute data being used for conditional retrieval, and prepares a search result (S240), and converts, if necessary, item presentation styles of the search result into the item presentation styles of each user according to the style conversion data (S250).

ABSTRACT WORD COUNT: 207

NOTE:

Figure number on first page: 8

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 991215 A2 Published application without search report

Examination: 991215 A2 Date of request for examination: 19990610

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9950	4336
SPEC A	(English)	9950	18120
Total word count - document A			22456
Total word count - document B			0
Total word count - documents A + B			22456

...SPECIFICATION to the second embodiment. This second embodiment is a modification of the first embodiment to **replace** the **query** processing **unit** 13 of Fig. 15 an integrated retrieval unit 130. The integrated retrieval unit 130 additionally...

Set	Items	Description
S1	171195	SEARCH? OR RETRIEVAL
S2	28813	S1 (2N) (UNIT? ? OR COMPONENT? ? OR DEVICE? ? OR ENGINE? ? OR MACHINE? ? OR APPARATUS??)
S3	1059	(QUERY? OR QUERIES OR SQL) (2N) (UNIT? ? OR COMPONENT? ? OR - DEVICE? ? OR ENGINE? ? OR MACHINE? ? OR APPARATUS??)
S4	75	(REPLACE? ? OR REPLACING OR REPLACEABLE OR REPLACEMENT OR - SUBSTITUTE? ? OR SUBSTITUTING OR SUBSTITUTION) (5N) (S2 OR S3)
S5	101	(SEPARATE? ? OR SEPARATING OR (TAKE? ? OR TAKING) () OUT OR - DISCONNECT? OR DETACH?) (5N) (S2 OR S3)
S6	286	(SWITCH? OR SWAP? ? OR SWAPPED OR SWAPPING OR EXCHANGE? ? - OR EXCHANGING OR EXCHANGEABLE) (5N) (S2 OR S3)
S7	277561	INTERFACE OR INTERFACES
S8	174	(S4 OR S5 OR S6) AND IC=G06F
S9	24	(S4 OR S5 OR S6) AND S7
S10	24	IDPAT (sorted in duplicate/non-duplicate order)
S11	24	IDPAT (primary/non-duplicate records only)
S12	51	S4 AND IC=G06F
S13	51	IDPAT (sorted in duplicate/non-duplicate order)
S14	49	IDPAT (primary/non-duplicate records only)
S15	11	(S4 OR S5 OR S6) AND IC=G06F-007
S16	11	IDPAT (sorted in duplicate/non-duplicate order)
S17	11	IDPAT (primary/non-duplicate records only)
S18	10	S17 NOT S11

File 347:JAPIO Nov 1976-2005/Aug(Updated 051205)

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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200604

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11/5/15 (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012289896 \*\*Image available\*\*  
WPI Acc No: 1999-096002/199908  
XRPX Acc No: N99-069772

**Search engine architecture for computer network multi-layer switch  
element - configured to schedule and perform accesses to forwarding  
memory and to transfer forwarding decisions to input ports**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )  
Inventor: HENDEL A; MULLER S; YEUNG L  
Number of Countries: 020 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9900820	A2	19990107	WO 98US13380	A	19980625	199908 B
US 5938736	A	19990817	US 97885116	A	19970630	199939
EP 992056	A2	20000412	EP 98932909	A	19980625	200023
			WO 98US13380	A	19980625	
JP 2002510452	W	20020402	WO 98US13380	A	19980625	200225
			JP 99505806	A	19980625	

Priority Applications (No Type Date): US 97885116 A 19970630

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9900820	A2	E	53	H01J-013/00	
				Designated States (National): JP	
				Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU	
				MC NL PT SE	
US 5938736	A			G06F-013/38	
EP 992056	A2	E		H01J-013/00	Based on patent WO 9900820
				Designated States (Regional): DE FR GB IT NL SE	
JP 2002510452	W		49	H04L-012/46	Based on patent WO 9900820

Abstract (Basic): WO 9900820 A

The **search engine** architecture has a **switch** fabric that includes a packet heading processing unit and is coupled to a forwarding database memory an one or more input ports. The search engine is configured to schedule and perform accesses to the forwarding memory database memory and to transfer forwarding decisions to the input ports. The header processing unit is coupled to the search engine and includes an arbitrated **interface** for coupling to the input ports. The header processing unit is configured to receive a packet header from the input ports and to construct a search key for accessing the forwarding database memory based upon a predetermined portion of the packet header.

ADVANTAGE - Provides flexibility to match different packet header fields, optimises partitioning of the functional modules.

Dwg.1/9

Title Terms: SEARCH; ENGINE; ARCHITECTURE; COMPUTER; NETWORK; MULTI; LAYER; SWITCH; ELEMENT; CONFIGURATION; SCHEDULE; PERFORMANCE; ACCESS; FORWARDING ; MEMORY; TRANSFER; FORWARDING; DECIDE; INPUT; PORT

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/38; H01J-013/00; H04L-012/46

International Patent Class (Additional): G06F-015/17; G06F-017/30; H04L-012/28

File Segment: EPI

11/5/23 (Item 23 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

07368185 \*\*Image available\*\*  
DATABASE SYSTEM

PUB. NO.: 2002-236682 [JP 2002236682 A]  
PUBLISHED: August 23, 2002 (20020823)  
INVENTOR(s): ASAI ARIHITO  
WATANABE MIKIO  
SUGANUMA AKISHI  
APPLICANT(s): FUJI PHOTO FILM CO LTD  
APPL. NO.: 2001-034795 [JP 200134795]  
FILED: February 13, 2001 (20010213)  
INTL CLASS: G06F-017/30; G06F-012/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To separably **detach** a **retrieval device** 15 from a command execution device 13.

SOLUTION: This database system is provided with the retrieval device 15 for retrieving for attribute information of an image stored in a relational database management system. A retrieval **interface** 14 is provided between the command execution device 13 for giving a retrieval command to the retrieving device 15 and the retrieving device 15. The command execution device 13 and the retrieving device 15 are separably detached. The retrieving device 15 connected to the command execution device 13 is changed to connect a retrieval device 15 having a different retrieval method to the command execution device 13.

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11/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016787178 \*\*Image available\*\*  
WPI Acc No: 2005-111454/200512  
XRPX Acc No: N05-096314

User interface control apparatus for expressing user interface , has  
user interface component replace unit replacing unit of application  
software with searched user interface component

Patent Assignee: CANON KK (CANO )

Inventor: HIROTA M

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050015395	A1	20050120	US 2004889072	A	20040713	200512 B
JP 2005031995	A	20050203	JP 2003196555	A	20030714	200512

Priority Applications (No Type Date): JP 2003196555 A 20030714

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20050015395	A1		36	G06F-017/00	
JP 2005031995	A		20	G06F-009/44	

Abstract (Basic): US 20050015395 A1

NOVELTY - The apparatus has a client computer acquiring an application software with a unit describing a presentation and a data model of a user **interface** . A UI component search unit (2007) searches a personal UI component library for a UI component with the presentation preferred by a user. A UI component replace unit (2008) replaces another unit of the application software with the searched UI component.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(A) a user **interface** control method

(B) a control program which causes a computer to execute a user **interface** control method.

USE - Used for expressing a user **interface** by executing an application software program.

ADVANTAGE - The UI component replace unit replaces the unit of the application software with the searched UI component that is easy to use for each user, such that a user-friendly user **interface** can be customized, thus enhancing operability of the user **interface** .

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram depicting a detailed construction of a client computer.

Output unit (2001)

Input unit (2002)

UI execution unit (2004)

UI component search unit (2007)

UI component replace unit (2008)

pp; 36 DwgNo 20/26

Title Terms: USER; **INTERFACE** ; CONTROL; APPARATUS; EXPRESS; USER;  
**INTERFACE** ; USER; **INTERFACE** ; COMPONENT; REPLACE; UNIT; REPLACE; UNIT;  
APPLY; SOFTWARE; SEARCH; USER; **INTERFACE** ; COMPONENT

Derwent Class: T01

International Patent Class (Main): G06F-009/44; G06F-017/00

International Patent Class (Additional): G06F-003/14; G06F-017/30

File Segment: EPI



11/5/24 (Item 24 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

06729364 \*\*Image available\*\*  
RETRIEVAL SYSTEM AND METHOD BASED ON COMBINATION OF RETRIEVAL CONDITIONS

PUB. NO.: 2000-315206 [JP 2000315206 A]  
PUBLISHED: November 14, 2000 (20001114)  
INVENTOR(s): HAGIWARA JUNICHI  
SHINDO TATSUYA  
TAGUCHI KATSUHIKO  
APPLICANT(s): FUJITSU LTD  
APPL. NO.: 11-123323 [JP 99123323]  
FILED: April 30, 1999 (19990430)  
INTL CLASS: G06F-017/30

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an improved user **interface** in information retrieval based on plural combinations of retrieval conditions.

SOLUTION: Multidimensional data to specify the retrieval conditions from a user is received by a multidimensional input module 25, plural combinations of the retrieval conditions are generated from the multidimensional data and provided to a retrieval engine 24 by a retrieval equation automatic generation module 26. Plural retrieved results are received from the **retrieval engine** 24 by a retrieved condition **switching** module 27 and the multidimensional data to indicate the retrieved results is outputted by a multidimensional output module 28. In addition, a graph to indicate plural retrieval results is outputted by a visualizing module 29.

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Set	Items	Description
S1	715896	SEARCH?
S2	23759	S1 (2N) (UNIT? ? OR COMPONENT? ? OR DEVICE? ? OR ENGINE? ? OR MACHINE? ? OR APPARATUS??)
S3	2665	(QUERY? OR QUERIES OR SQL) (2N) (UNIT? ? OR COMPONENT? ? OR DEVICE? ? OR ENGINE? ? OR MACHINE? ? OR APPARATUS??)
S4	59	(REPLACE? ? OR REPLACING OR REPLACEABLE OR REPLACEMENT OR SUBSTITUTE? ? OR SUBSTITUTING OR SUBSTITUTION) (5N) (S2 OR S3)
S5	32	(SEPARATE? ? OR SEPARATING OR (TAKE? ? OR TAKING) () OUT OR DISCONNECT? OR DETACH?) (5N) (S2 OR S3)
S6	84	(SWITCH? OR SWAP? ? OR SWAPPED OR SWAPPING OR EXCHANGE? ? OR EXCHANGING OR EXCHANGEABLE) (5N) (S2 OR S3)
S7	1585467	INTERFACE OR INTERFACES
S8	175	S4 OR S5 OR S6
S9	34	S4 NOT PY>2001
S10	19	RD (unique items)
S11	16	S5 NOT PY>2001
S12	10	RD (unique items)
S13	10	S12 NOT S10
S14	56	S6 NOT PY>2001
S15	38	RD (unique items)
S16	38	S15 NOT (S10 OR S13)
File	8: Ei Compendex(R)	1970-2006/Jan W2 (c) 2006 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online	1861-2005/Dec (c) 2005 ProQuest Info&Learning
File	65: Inside Conferences	1993-2006/Jan W3 (c) 2006 BLDSC all rts. reserv.
File	2: INSPEC	1898-2006/Dec W4 (c) 2006 Institution of Electrical Engineers
File	94: JICST-EPlus	1985-2006/Nov W1 (c) 2006 Japan Science and Tech Corp(JST)
File	111: TGG Natl. Newspaper Index(SM)	1979-2006/Jan 13 (c) 2006 The Gale Group
File	6: NTIS	1964-2006/Jan W2 (c) 2006 NTIS, Intl Cpyrght All Rights Res
File	144: Pascal	1973-2006/Dec W4 (c) 2006 INIST/CNRS
File	434: SciSearch(R) Cited Ref Sci	1974-1989/Dec (c) 1998 Inst for Sci Info
File	34: SciSearch(R) Cited Ref Sci	1990-2006/Jan W2 (c) 2006 Inst for Sci Info
File	62: SPIN(R)	1975-2006/Jan W1 (c) 2006 American Institute of Physics
File	99: Wilson Appl. Sci & Tech Abs	1983-2005/Dec (c) 2006 The HW Wilson Co.
File	95: TEME-Technology & Management	1989-2006/Jan W3 (c) 2006 FIZ TECHNIK
File	56: Computer and Information Systems Abstracts	1966-2006/Jan (c) 2006 CSA.
File	57: Electronics & Communications Abstracts	1966-2006/Jan (c) 2006 CSA.

10/5/4 (Item 4 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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03517406 E.I. Monthly No: EI9212155102

**Title: Expected time analysis of interpolation merge - a simple new merging algorithm.**

Author: Guha, Sumanta; Sen, Arunabha

Corporate Source: Univ of Wisconsin-Milwaukee, Milwaukee, WI, USA

Source: Information Processing Letters v 40 n 5 Dec 13 1991 p 277-281

Publication Year: 1991

CODEN: IFPLAT ISSN: 0020-0190

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical); X; (Experimental)

Journal Announcement: 9212

Abstract: Binary merge is the best general-purpose merging algorithm known to date. Binary merge consists of two components: a first component in which an array index is incremented by a number nearly equal to the ratio of the sizes of the two arrays being merged followed by a second component, binary search. In this paper we formulate a simple algorithm called interpolation merge, where the binary **search component** is **replaced** with linear search, and analyze its expected behavior over data drawn from a uniform distribution. Our results, both theoretical and experimental, indicate a constant factor (approximately equals 0.75) speed-up over straight two-way merge. Further, our analysis of interpolation merge, which uses a mechanism of incremental indexing similar to that in binary merge, will hopefully lead to a better understanding of the latter algorithm. Currently, no significant results are known about the expected behavior of binary merge over data drawn from any standard probability distribution. (Author abstract) 6 Refs.

Descriptors: \*MATHEMATICAL TECHNIQUES--\*Interpolation; MATHEMATICAL TECHNIQUES--Algorithms; COMPUTER SYSTEMS PROGRAMMING--Merging; COMPUTER PROGRAMMING--Analysis; PROBABILITY

Identifiers: INTERPOLATION MERGE; ANALYSIS OF ALGORITHMS; BINARY MERGE; LINEAR SEARCH

Classification Codes:

921 (Applied Mathematics); 723 (Computer Software); 922 (Statistical Methods)

92 (ENGINEERING MATHEMATICS); 72 (COMPUTERS & DATA PROCESSING)

10/5/18 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
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09956951 PASCAL No.: 92-0168433

**Expected time analysis of interpolation merge : a simple new merging algorithm**

SUMANTA GUHA; ARUNABHA SEN

Univ. Wisconsin-Milwaukee, EE & CS dep., Milwaukee WI 53201, USA

Journal: Information processing letters, 1991, 40 (5) 277-281

ISSN: 0020-0190 CODEN: IFPLAT Availability: INIST-15156;

354000023003420080

No. of Refs.: 6 ref.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: Netherlands

Language: English

Binary merge is the best general-purpose merging algorithm known to date. Binary merge consists of two components : a first component in which an array index is incremented by a number nearly equal to the ratio of the sizes of the two arrays being merged followed by a second component, binary search. In this paper we formulate a simple algorithm called interpolation merge, where the binary **search component** is **replaced** with linear search, and analyze its expected behavior over data drawn from a uniform distribution. Our results, both theoretical and experimental, indicate a constant factor ( similar = 0.75) speed-up over straight two-way merge  
English Descriptors: Algorithm; Binary system; Search system; Analysis

French Descriptors: Algorithme; Systeme binaire; Systeme recherche; Analyse

Classification Codes: 001D02A

12/5/3 (Item 3 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04032404 E.I. No: EIP95012509051

**Title: Staged hybrid genetic search for seismic data imaging**

Author: Mathias, Keith E.; Whitley, L. Darrell; Stork, Christof; Kusuma, Tony

Corporate Source: Colorado State Univ, Fort Collins, CO, USA

Conference Title: Proceedings of the 1st IEEE Conference on Evolutionary Computation. Part 1 (of 2)

Conference Location: Orlando, FL, USA Conference Date: 19940627-19940629

Sponsor: IEEE

E.I. Conference No.: 21509

Source: IEEE Conference on Evolutionary Computation - Proceedings v /1 1994. IEEE, Piscataway, NJ, USA, 94TH0650-2. p 356-361

Publication Year: 1994

CODEN: 001660

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review); T; (Theoretical)

Journal Announcement: 9503W2

Abstract: Seismic data interpretation problems are typically solved using computationally intensive local search methods which often result in inferior solutions. Here, a traditional hybrid genetic algorithm is compared with different staged hybrid genetic algorithms on the geophysical imaging static corrections problem. The traditional hybrid genetic algorithm used here applied local search to every offspring produced by genetic search. The staged hybrid genetic algorithms were designed to temporally **separate** the local and genetic **search components** into distinct phases so as to minimize interference between the two search methods. The results show that some staged hybrid genetic algorithms produce higher quality solutions while using significantly less computational time for this problem. (Author abstract) 11 Refs.

Descriptors: \*Optimization; Imaging techniques; Seismic prospecting; Computational complexity; Convergence of numerical methods; Algorithms; Mathematical models; Image analysis

Identifiers: Staged hybrid genetic search; Seismic data imaging

Classification Codes:

921.5 (Optimization Techniques); 723.2 (Data Processing); 481.4 (Geophysical Prospecting); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory); 921.6 (Numerical Methods); 723.1 (Computer Programming)

921 (Applied Mathematics); 723 (Computer Software); 481 (Geology & Geophysics); 721 (Computer Circuits & Logic Elements)

92 (ENGINEERING MATHEMATICS); 72 (COMPUTERS & DATA PROCESSING); 48 (ENGINEERING GEOLOGY)

12/5/4 (Item 4 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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02850424 E.I. Monthly No: EIM9001-004424

**Title: Type driven hardware engine for Prolog clause retrieval over a large knowledge base.**

Author: Wong, Kam-Fai; Williams, M. Howard

Corporate Source: Unisys Ltd, Livingston, Engl

Conference Title: 16th Annual International Symposium on Computer Architecture

Conference Location: Jerusalem, Israel Conference Date: 19890528

Sponsor: IEEE Computer Soc, Technical Committee on Computer Architecture, Los Alamitos, CA, USA; ACM; SM SIGARCH, New York, NY, USA

E.I. Conference No.: 12568

Source: Conference Proceedings - Annual Symposium on Computer Architecture n 16th May 1989. Publ by IEEE, Computer Society, Los Angeles, CA, USA. Available from IEEE Service Cent (cat n 89CH2705-2), Piscataway, NJ, USA. p 211-222

Publication Year: 1989

CODEN: CPAADU ISSN: 0149-7111

Language: English

Document Type: PA; (Conference Paper) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9001

Abstract: Whereas existing Prolog systems are very effective at handling small knowledge bases, they are not very efficient at and often incapable of handling large sets of clauses. Large knowledge bases that can comprise millions of clauses and are shared by a number of users may need to reside in secondary memory. In such cases, exhaustive search is inordinately slow. A Prolog data/knowledge-based system that provides an integrated solution to the problem is being developed. An essential element in this system in the clause retrieval engine, CLARE, which is a special-purpose hardware engine designed to perform selective retrieval of data from disk to identify all potential clauses that will be required for full unification during a **query**. The **engine** consists of two **separate** hardware components, which together form a two-stage filtering configuration. The authors concentrate on the second-stage filter, which is concerned with partial test unification. 14 refs.

Descriptors: \*COMPUTERS, DIGITAL--\*Special Purpose Application; INFORMATION RETRIEVAL SYSTEMS--Performance; COMPUTER ARCHITECTURE

Identifiers: KNOWLEDGE BASED SYSTEMS; PROLOG ENVIRONMENT

Classification Codes:

721 (Computer Circuits & Logic Elements); 722 (Computer Hardware); 723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

Set	Items	Description
S1	6902	SEARCH? OR RETRIEVAL
S2	1819	S1 (2N) (UNIT? ? OR COMPONENT? ? OR DEVICE? ? OR ENGINE? ? OR MACHINE? ? OR APPARATUS??)
S3	120	(QUERY? OR QUERIES OR SQL) (2N) (UNIT? ? OR COMPONENT? ? OR - DEVICE? ? OR ENGINE? ? OR MACHINE? ? OR APPARATUS??)
S4	4	(REPLACE? ? OR REPLACING OR REPLACEABLE OR REPLACEMENT OR - SUBSTITUTE? ? OR SUBSTITUTING OR SUBSTITUTION) (5N) (S2 OR S3)
S5	4	(SEPARATE? ? OR SEPARATING OR (TAKE? ? OR TAKING) () OUT OR - DISCONNECT? OR DETACH?) (5N) (S2 OR S3)
S6	19	(SWITCH? OR SWAP? ? OR SWAPPED OR SWAPPING OR EXCHANGE? ? - OR EXCHANGING OR EXCHANGEABLE) (5N) (S2 OR S3)
S7	11226	INTERFACE OR INTERFACES
S8	27	S4 OR S5 OR S6
S9	27	RD (unique items)

File 256:TecInfoSource 82-2005/Feb  
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